

IDS 8/16/04

Sheet 1 of 1

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
265280-74873

SERIAL NO.
10/811,649

APPLICANT
Dale R. Peterson et al.

FILING DATE
March 29, 2004

GROUP
1615

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL						
	AM						
	AN						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

2	AR	J. Brandrup et al., "Polymer Handbook", Fourth Edition, A Wiley-Interscience Publication, John Wiley & Sons, Inc., 1999, 6 pgs.
2	AS	Webpage obtained through http://www.psrc.usm.edu/macrog/pet.htm , "Polyesters", Printed on 1/15/2003, 4 pgs.
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Examiner

Date Considered

10/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 265280-67694	SERIAL No. Unknown
	APPLICANT Dale R. Peterson et al.	
	FILING DATE September 19, 2001	GROUP Unknown

U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
J	AA	4,157,418	Jun. 5, 1979	Heilmann			
	AB	4,172,934	Oct. 30, 1979	Heilmann			
	AC	4,243,775	Jan. 6, 1981	Rosensaft et al.			
	AD	4,347,234	Aug. 31, 1982	Wahlig et al.			
	AE	4,424,208	Jan. 3, 1984	Wallace et al.			
	AF	4,438,198	Mar. 20, 1984	Schmer			
	AG	4,440,750	Apr. 3, 1984	Glowacki et al.			
	AH	4,595,713	Jun. 17, 1986	St. John			
	AI	4,645,503	Feb. 24, 1987	Lin et al.			
	AJ	4,694,103	Sep. 15, 1987	Krepski et al.			
	AK	4,757,128	Jul. 12, 1988	Domb et al.			

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
J	AL	92111732.1	13 Jan. 1993	EPO			
	AM	3-45265	Feb. 26, 1991	Japan			
	AN						
	AO						
	AP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
J	AR	Anderson, James M. et al., <i>Poly-α-Amino Acids as Biomedical Polymers</i> , Biocompatibility of Tissue Analogs, Vol. 1, Chapter 4, pages 67-88 (1985).
J	AS	Ferguson, David et al., <i>Bovine Bone Morphogenetic Protein (bBMP) Fraction-induced Repair of Craniotomy Defects in the Rhesus Monkey (Macaca speciosa)</i> , Clinical Orthopaedics and Related Research, No. 219, p. 251-258, June 1987.
J	AT	Ford, James et al., <i>Pharmaceutical Thermal Analysis</i> , Ellis Howard Books in Biological Science, Chapter 2, John Wiley & Sons, New York (1989).

Examiner J	Date Considered 10/04
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Based on PTO-1449

Atty. Docket No.
265280-67694Serial No.
Unknown

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant
Dale R. Peterson et al.Filing Date
September 19, 2001Group
Unknown

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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
J	BA	4,843,112	Jun. 27, 1989	Gerhart et al.			
	BB	4,888,176	Dec. 19, 1989	Langer et al.			
	BC	4,902,508	Feb. 20, 1990	Badylak et al.			
	BD	4,906,474	Mar. 6, 1990	Langer et al.			
	BE	4,956,178	Sep. 11, 1990	Badylak et al.			
	BF	5,019,379	May 28, 1991	Domb et al.			
	BG	5,085,861	Feb. 4, 1992	Gerhart et al.			
	BH	5,133,755	Jul. 28, 1992	Brekke			
	BI	5,171,579	Dec. 15, 1992	Ron et al.			
	BJ	5,206,341	Apr. 27, 1993	Ibay et al.			
J	BK	5,286,763	Feb. 15, 1994	Gerhart et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation
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	BM						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

J	BR	Gerhart, T.N. et al., <i>Antibiotic Release From an Experimental Biodegradable Bone Cement</i> , Journal of Orthopaedic Research, 6:585-592, 1988.
J	BS	Hollinger, Jeffrey O. et al., <i>Biodegradable Bone Repair Materials</i> , Clinical Orthopaedics and Related Research, No. 207, pages 290-305, (June, 1986).
J	BT	Hollinger, Jeffrey, <i>Factors for Osseous Repair and Delivery: Part II</i> , J. Craniofac. Surg., 4 (3), pages 135-141, (July 1993).

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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant Dale R. Peterson et al.			
				Filing Date September 19, 2001		Group Unknown	
U.S. PATENT DOCUMENTS							
*Examiner Initial	Class	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
J	CA	5,366,508	Nov. 22, 1994	Brekke			
	CB	5,464,929	Nov. 7, 1995	Bezwada et al.			
	CC	4,637,905	Jan. 20, 1997	Gardner			
	CD	4,804,691	Feb. 14, 1989	English et al.			
	CE	5,075,115	Dec. 24, 1991	Brine			
	CF	5,475,063	Dec. 12, 1995	Kaplan et al.			
	CG	5,679,723	Oct. 21, 1997	Cooper et al.			
	CH	5,824,333	Oct. 20, 1998	Scopelianos et al.			
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FOREIGN PATENT DOCUMENTS							
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	CL						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
J	CR	Hollinger, Jeffrey O. et al., <i>Osseous Wound Healing with Xenogeneic Bone Implants with a Biodegradable Carrier</i> , Surgery, Vol. 107, No. 1, pages 50-54, January 1990.					
	CS	Hotz, G. et al., <i>Bone Substitute With Osteoinductive Biomaterials-Current and Future Clinical Applications</i> , Int. J. of Oral Maxillofacial Surgery, 23:413-417, 1994.					
J	CT	Kalb, Claudia et al., <i>Hope for Damaged Joints</i> , Newsweek, page 55, January 29, 1996.					
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
J	DR	Kamegai, Akihide et al., <i>Bone Formation Under the Influence of Bone Morphogenetic Protein/Self-Setting Apatite Cement Composite as a Delivery System</i> , Bio-Medical Materials and Engineering, Vol. 4, No. 4, pp. 291-307, 1994.					
	DS	Kenley, Richard A. et al., <i>Biotechnology and Bone Graft Substitutes</i> , Pharmaceutical Research, Vol. 10, No. 10, pages 1393-1401, 1993.					
J	DT	Kohn, Joachim et al., <i>Polymerization Reactions Involving the Side Chains of α-L-Amino Acids</i> , J. Am. Chem. Soc., 109 pages 817-820, 1987.					
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		Document Number	Date	Country	Class	Subclass	Translation Yes No
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
2	ER	Kulkarni, R.K. et al., <i>Polylactic Acid for Surgical Implants</i> , Arch Surg. Vol. 93, pages 839-843, Nov. 1966.					
1	ES	Kulkarni, R.K. et al., <i>Biodegradable Poly(lactic acid) Polymers</i> , J. Biomed. Mater. Res., Vol. 5 pages 169-181, 1971.					
2	ET	Lane, Joseph M. et al., <i>Current Approaches to Experimental Bone Grafting</i> , Orthop. Clin. North Am. 18(2), pages 213-225, April 1987.					
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
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	FL						
	FM						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	FR	Laurencin, C.T. et al., <i>Bioerodible Polyanhydrides for Antibiotic Drug Delivery: In Vivo Osteomyelitis Treatment in a Rat Model System</i> , Journal of Orthopaedic Research, Vol. 11, No. 2, pages 256-262, 1993.
	FS	Leong, K.W. et al., <i>Bioerodible Polyanhydrides as Drug-Carrier Matrices. I: Characterization, Degradation, and Release Characteristics</i> , J. Biomed. Mater. Res., Vol. 19, pages 941-955, 1985.
	FT	Lindholm, T.S. et al., <i>Functional Carriers for Bone Morphogenetic Proteins</i> , Annales Chirurgiae et Gynaecologiae, No. 82, pages 3-12, 1993.

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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							Yes No
	GL						
	GM						
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	GO						
	GP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

J	GR	Lovell, T.P. et al., <i>Augmentation of Spinal Fusion with Bone Morphogenetic Protein in Dogs</i> , Clinical Orthopaedics and Related Research, No. 243, pages 266-274, June, 1989.
	GS	Miki, Takashi et al., <i>Effect of Freeze-Dried Poly-L-Lactic Acid Discs Mixed with Bone Morphogenetic Protein on the Healing of Rat Skull Defects</i> , J. Oral. Maxillofac. Surg., No. 52, pages 387-391, 1994.
J	GT	Miyamoto, Shimpei et al., <i>Evaluation of Polylactic Acid Homopolymers as Carriers for Bone Morphogenetic Protein</i> , Clinical Orthopaedics and Related Research, No. 278, pages 274-285, May, 1992.

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	HL						
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HR

Miyamoto, Shimpei et al., *Poly(lactic Acid-Polyethylene Glycol Block Copolymer)*, Clinical Orthopaedics and Related Research, No. 294, pages 333-343, September, 1993.

HS

Miyamoto, S. et al., *Bone Induction and Bone Repair by Composites of Bone Morphogenetic Protein and Biodegradable Synthetic Polymers*, Annales Chirurgiae et Gynaecologiae, No. 82, pages 69-76, 1993.

HT

Pinholt, Else Marie et al., *Bone Induction by Composites of Bioresorbable Carriers and Demineralized Bone in Rats: A Comparative Study of Fibrin-Collagen Paste, Fibrin Sealant, and Polyorthoester With Gentamicin*, J. Oral Maxillofac. Surg., 50:1300-1304, 1992.




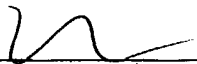
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FOREIGN PATENT DOCUMENTS							
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	IL						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
J	IR	Pulapura S. et al., <i>Biomaterials Based on "Pseudo"-Poly(Amino Acids): A Study of Tyrosine Derived Polyiminocarbonates</i> , Polymer Preprints, Vol. 31, No. 1, pp. 233-234, April 1990.					
	IS	Rokkanen, Pentti U., <i>Absorbable Materials in Orthopaedic Surgery</i> , Ann. Med., No. 23, pages 109-115, 1991.					
J	IT	Sidman, K.R. et al., <i>Biodegradable, Implantable Sustained Release Systems Based on Glutamic Acid Copolymers</i> , Journal of Membrane Science, Vol. 7, No. 3, pages 277-291, 1980.					
EXAMINER				DATE CONSIDERED 10/08			
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U.S. PATENT DOCUMENTS							
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>J</i>	JR	<i>Sigma Chemical Company: Biochemicals Organic Compounds and Diagnostic Reagents</i> , pages 1963-1965, (1996).					
	JS	Storey, Robson F. et al., <i>Novel Synthesis of (Carboxylic Acid)-Telechelic Poly(ϵ-Caprolactone)</i> , Abstracts of Papers of the American Chemical Society, 1996, V. 211, March 24, P. 113-114.					
<i>J</i>	JT	Storey, Robson F. et al., <i>New Epoxy-Terminated Oligoesters: Precursors to Totally Biodegradable Networks</i> , Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 31, pages 1825-1838, 1993.					
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	Document Number	Date	Country	Class	Subclass	Translation Yes No
	KL					
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						
	KR	Stupp, Samuel I. et al., <i>Organoapatites: Materials for Artificial Bone. I. Synthesis and Microstructure</i> , Journal of Biomedical Materials Research, Vol. 26, 169-183, 1992.				
	KS	Stupp, Samuel I. et al., <i>Organoapatites: Materials for Artificial Bone. II. Hardening Reactions and Properties</i> , Journal of Biomedical Materials Research, Vol. 27, 289-299, 1993.				
	KT	Stupp, Samuel I. et al., <i>Organoapatites: Materials for Artificial Bone. III. Biological Testing</i> , Journal of Biomedical Materials Research, Vol. 27, pages 301-311, 1993.				
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FOREIGN PATENT DOCUMENTS							
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	LL						
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	LN						
	LO						
	LP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
	LR	Wei, Guoxiong et al., <i>A Bioabsorbable Delivery System for Antibiotic Treatment of Osteomyelitis</i> , J. Bone Joint Surg.[Br], Vol. 73-B, No. 2, pages 246-252, 1991.
	LS	Cerrai, et al., "Block copolymers from L-lactide and poly(ethylene glycol) through a non-catalyzed route", <i>Makromol. Chem. Rapid Commun.</i> , 14, pp. 529-538 (1993)
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